

CLAIMS

1. A screwed cable gland that is screwed on a cable connection piece of a plug connector housing, wherein the plug connector housing consists of two interconnectable shells (10, 10') that are centrally partitioned in the longitudinal direction, and wherein the plane of partition extends through the center of the cable connection piece (11, 11'), characterized in that the screwed cable gland consists of a screw element (20, 30, 40, 50) that is composed of two joinable parts, on which an outside thread (24, 34, 44, 54) is provided, wherein the parts encompass a cable (17) that is inserted into the cable connection piece, in that the cable connection piece (11, 11') is provided with a thread (12, 12'), into which the screw element can be screwed, and in that the cable connection piece (11, 11') has a shoulder (13) that is adjoined by a slotted sealing element (18) that encompasses the cable (17) and is compressed when the screw element is screwed into the cable connection piece (11, 11').
2. The screwed cable gland according to Claim 1, characterized in that the plane of partition of the parts (21, 22) of the screw element (20) contains integral round pins (25, 25') that are respectively arranged on opposite sides and oriented in the screwing direction, wherein said round pins engage into corresponding recesses (26, 26') and come in contact with a limit stop (27).
3. The screwed cable gland according to Claim 1, characterized in that the plane of partition of the parts (31, 32) of the screw element (30) contains a dovetail guide with a tongue (35, 35') and a groove (36, 36') that are respectively arranged on opposite sides and oriented in the screwing direction, wherein the tongue (35') comes in contact with a limit stop (37).
4. The screwed cable gland according to Claim 1, characterized in that the parts (41, 42) of the screw element (40) are held together by means of a hinge (45), wherein the plane of partition contains

pins (46) that are respectively arranged on opposite sides and engage into depressions 47, and wherein snap-in means (48, 49) are provided in order to hold together the screw elements.

5. The screwed cable gland according to Claim 1, characterized in that the parts (51, 52) of the screw element (50) can be pushed together radially with the aid of positive guide means (55, 56).
6. The screwed cable gland according to Claim 1, characterized in that the sealing element (18) is realized in the form of a flexible slotted ring.
7. The screwed cable gland according to Claim 1, characterized in that thrust washers (19) in the form of slotted rings are provided to both sides of the sealing element (18).
8. The screwed cable gland according to at least one of the preceding claims, characterized in that the screw elements (20, 30, 40, 50) have a hexagonal shape.